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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

re PATENT APPLICATION of  
ULRICH et al.

Group Art Unit: 1631

Examiner: Allen, M.

Serial No.: 08/882,431

Filed: June 25, 1997

FOR: BACTERIAL SUPERANTIGEN VACCINES

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08/30/2001 SSESHE1 00000052 210380 09882431  
01 EC-115 110.00 CH

August 27, 2001  
(August 25 = Saturday)

Adjustment date: 09/04/2001 SDENB081  
08/30/2001 SSESHE1 00000052 210380 09882431  
01 EC-115 110.00 CR

# AMENDMENT

Hon. Commissioner of Patents  
and Trademarks  
Washington, D.C. 20231

Sir:

Responsive to the Office Action dated April 25, 2001 in connection with the  
above-referenced application, please enter the following amendments and consider the  
following remarks.

## IN THE CLAIMS:

Please cancel non-elected claims 2, 3, 7-11, 15-17, 19-20, 24-28, 32-36, 40-42.  
45. 46. 50-52, 54, 55, 59-61, 63, 64, 68-70 and 100-109 without prejudice or disclaimer.

Please amend claim 1 as follows.

1. (Thrice amended) An isolated and purified superantigen toxin DNA fragment  
encoding Staphylococcal enterotoxin B (SEB) in which at least one amino acid of amino  
acid positions 43-53 of SEB and at least one amino acid of amino acid positions 65-75,  
87-97 and 103-113 of SEB have been altered such that binding of said encoded SEB to  
the MHC class II receptor and T cell antigen receptor is altered.

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